

FortiSandbox 500F

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- New product features
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- Nouvelles fonctionnalités du produit
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July 26, 2018

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<https://support.fortinet.com>

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Box Includes



FortiSandbox 500F



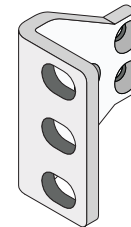
QuickStart Guide



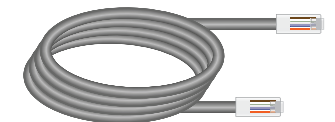
Power Cable



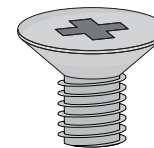
Console Cable



2 Rack Mount Brackets



Ethernet Cable



6 Rail Screws

1 Installation

The FortiSandbox unit can be placed on a [flat surface](#) using the provided [rubber feet](#), or mounted in any standard [19 inch rack](#) unit with the provided mounting hardware.

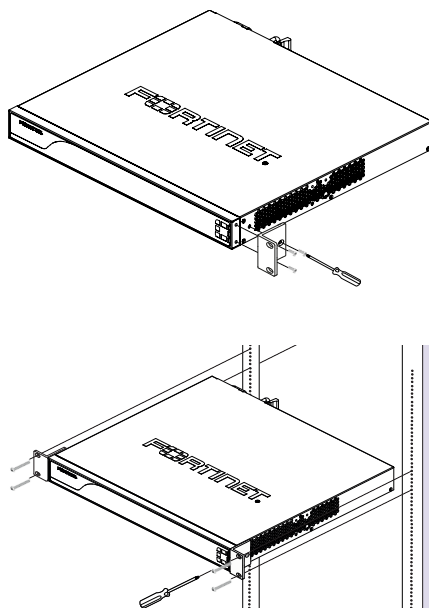
Caution: [Electrostatic discharge](#) (ESD) can damage your Fortinet equipment.

To avoid personal [injury](#) or [damage](#) to the unit, it is recommended that two or more people install the unit into the rack.

Do not place heavy objects on the unit.

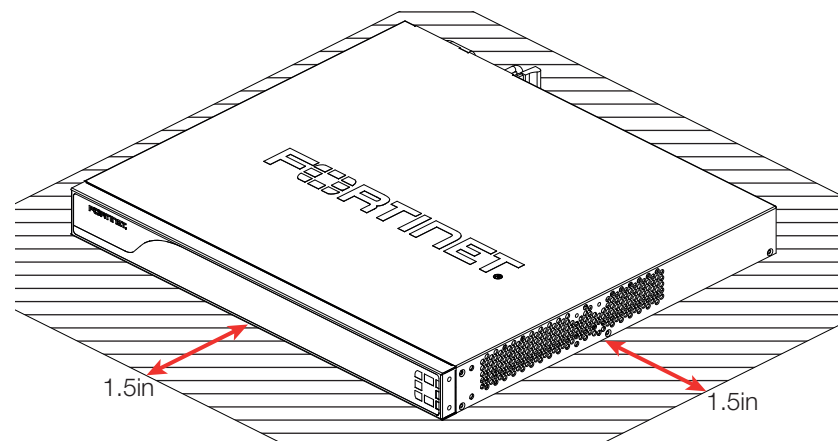
To install the unit into a rack

1. Attach the provided [rack-mount brackets](#) to the sides of the unit using the provided [screws](#).
2. Position the FortiSandbox unit in the rack. Ensure there is enough room around the unit to allow for sufficient [air flow](#).
3. Line up the [rack-mount bracket](#) holes to the holes on the rack and ensure that the unit is [level](#).
4. Finger tighten [four rack-mount screws](#) to attach the unit to the rack.
5. Verify that the [spacing](#) around the unit conforms to requirements and that the unit is [level](#), then tighten the [rack-mount screws](#) with an appropriate screwdriver.
6. Plug the provided [power cable](#) into the rear of the unit, and then into a [grounded electrical outlet](#) or separate power source, such as an [uninterruptible power supplies](#) (UPS) or a [power distribution units](#) (PDU).



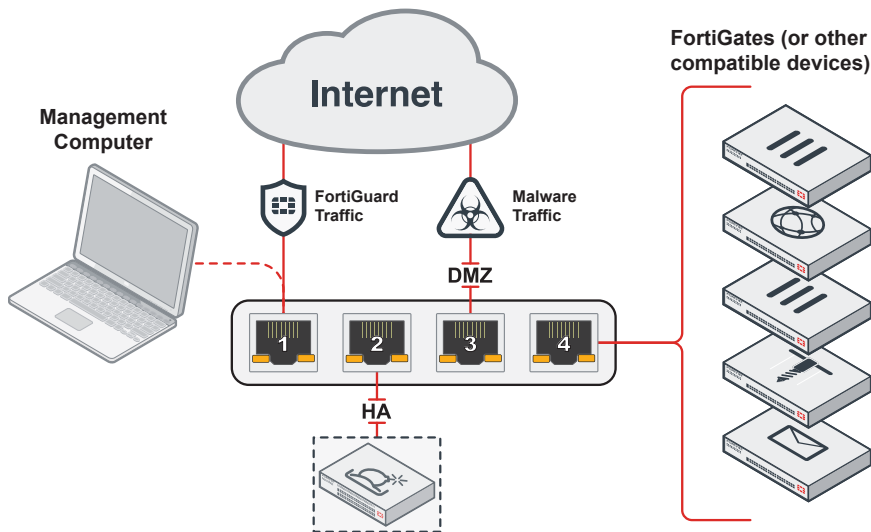
To install the unit on a flat surface

1. Ensure that the surface onto which the FortiSandbox unit to be installed is [clean](#), [level](#), and [stable](#), and that there is at least [1.5in \(3.8cm\)](#) of clearance on all sides to allow for adequate [airflow](#).
2. Attach the provided [rubber feet](#) to the bottom of the unit.
3. Place the unit in the designated location.
4. Verify that the [spacing](#) around the unit conforms to requirements and that the unit is [level](#).



5. Plug the provided [power cable](#) into the rear of the unit, and then into a [grounded electrical outlet](#) or separate power source, such as an [uninterruptible power supplies](#) (UPS) or a [power distribution units](#) (PDU).

2 Connections



Connect your device as follows:

Port	Connection
1	Connect a management computer to configure the device using the GUI . Connect to the Internet to access FortiGuard and FortiCare.
2	High Availability (HA) connection.
3	The VM outgoing port allows possibly malicious connections to connect to the Internet. This port should be connected through an isolated network .
4 and up	Connect FortiGate or other devices. Optionally, can be used as sniffer ports.

Note: The FortiSandbox unit requires some [basic configuration](#) to add it to your network, including assigning [IP addresses](#), DNS settings, and the [default gateway](#). Until these steps are completed traffic will not flow through the device.

[Ethernet port 1](#) only supports HTTPS, HTTP, SSH, and Telnet services. With the exception of HTTPS, these services can be [disabled](#) using the [GUI](#).

3 Setup Options

- A** Web Browser

Setup Wizard (p.9)

B Terminal Emulator

CLI Console (p.10)

A Web Browser

To Connect to the GUI

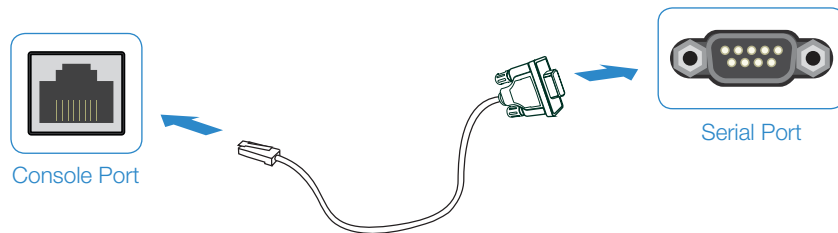
1. Connect the [Ethernet cable](#).
2. Configure the management computer to be on the same [subnet](#) as the internal interface as the FortiSandbox unit:

IP address: 192.168.0.X

Netmask: 255.255.255.0

3. Visit [192.168.0.99](#) in your web browser.
4. Login using username ["admin"](#) and [no password](#).
5. [Configure your device](#) and save your settings.
6. [Register your device](#) on the FortiCare website.

B Terminal Emulator



To Connect to the CLI

1. Connect the device's **console port** to the management computer using the provided **console cable**.
2. Start a **terminal emulation program** on the management computer, select the **COM port**, and use the following settings:

Baud Rate: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow Control: None

3. Press **Enter** on your keyboard to **connect to the CLI**.
4. Login using username **"admin"** and no password. You can now proceed with configuring your device.

A limited CLI is available for basic device configuration and **debugging** purposes. The FortiSandbox device is primarily configured using the **GUI**.

```
168.88.88.88
> help
FortiSandbox Console
General:
  help      Display this text.
  ?         Synonym for 'help'.
  exit      Exit from the CLI.
Configuration:
  show      Show bootstrap configuration.
  set       Set configuration parameter.
Available attributes/values for set:
      port1-ip  <IP/netmask>
                e.g. port1-ip 1.2.3.4/24
      port2-ip  <IP/netmask>
                e.g. port2-ip 1.2.3.4/24
      port3-ip  <IP/netmask>
                e.g. port3-ip 1.2.3.4/24
      port4-ip  <IP/netmask>
                e.g. port4-ip 1.2.3.4/24
      port5-ip  <IP/netmask>
                e.g. port5-ip 1.2.3.4/24
      port6-ip  <IP/netmask>
                e.g. port6-ip 1.2.3.4/24
      port7-ip  <IP/netmask>
                e.g. port7-ip 1.2.3.4/24
      port8-ip  <IP/netmask>
                e.g. port8-ip 1.2.3.4/24
      default-gw <IP>
                e.g. port8-ip 1.2.3.4/24
      date      <YYYY-MM-DD>
      time      <HH:MM:SS>
```

Useful CLI Commands

help	Show a list of valid CLI commands.
show	Show the bootstrap configuration including the port IP address (IPv4), network mask, and default gateway.
set port1-ip <ip>/<netmask>	Set the port 1 IP address and netmask.
set portX-ip <ip>/<netmask>	Set the port x IP address and netmask.
set default-gw <ip>	Set the default gateway.
reboot	Reboot the FortiSandbox. All sessions will be terminated.
shutdown	Shut down the FortiSandbox.
status	Show various system information.

For example, to configure the **IP address** and **gateway** of the FortiSandbox device, use the following commands:

```
set port1-ip 192.168.0.10/24
set default-gw 192.168.0.1
```

Power

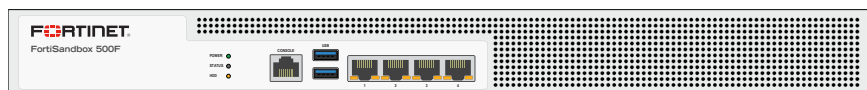
- **Green:** The unit is on
- **Off:** The unit is off

Status

- **Red:** System failure
- **Off:** System is running normally

Hard Drive Activity

- **Flashing Amber:** HDD in use
- **Off:** No HDD activity



Ethernet Ports Link/Activity

- **Flashing Amber:** Transmitting & receiving data
- **Off:** No link established

Ethernet Ports Speed

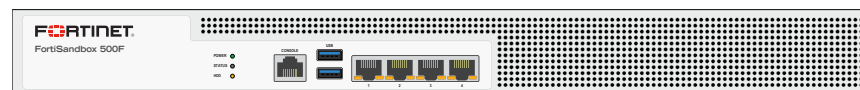
- **Amber:** Connected at 1Gbps
- **Green:** Connected at 100Mbps
- **Off:** Connected at 10Mbps or not in use

Console (RJ-45)

Optional connection to the management computer
Provides access to the CLI

USB Ports (USB A)

Not in use



Ethernet Ports (RJ-45)

Gigabit Ethernet network connections

Power

100-240V AC, 50/60Hz



Reset Switch

Reboot the device

Cautions and Warnings

Environmental Specifications

Ambient operating temperature: 0C to 40C

Rack Mount Instructions - The following or similar rack-mount instructions are included with the installation instructions:

Instructions de montage en rack - Les instructions de montage en rack suivantes ou similaires sont incluses avec les instructions d'installation:

Elevated Operating Ambient - If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{max}) specified by the manufacturer.

Température ambiante élevée – S'il est installé dans un rack fermé ou à unités multiples, la température ambiante de fonctionnement de l'environnement du rack peut être supérieure à la température ambiante de la pièce. Par conséquent, il est important d'installer le matériel dans un environnement respectant la température ambiante maximale (T_{max}) stipulée par le fabricant.

Reduced Air Flow - Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

Ventilation réduite – Installation de l'équipement dans un rack doit être telle que la quantité de flux d'air nécessaire au bon fonctionnement de l'équipement n'est pas compromise.

Mechanical Loading - Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

Chargement Mécanique – Montage de l'équipement dans le rack doit être telle qu'une situation dangereuse n'est pas lié à un chargement mécanique inégal.

Circuit Overloading - Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

Surtension – Il convient de prendre l'ensemble des précautions nécessaires lors du branchement de l'équipement au circuit d'alimentation et être particulièrement attentif aux effets de la suralimentation sur le dispositif assurant une protection contre les courts-circuits et le câblage. Ainsi, il est recommandé de tenir compte du numéro d'identification de l'équipement.

Reliable Earthing - Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Fiabilité de la mise à la terre– Fiabilité de la mise à la terre de l'équipement monté en rack doit être maintenue. Une attention particulière devrait être accordée aux connexions d'alimentation autres que les connexions directes au circuit de dérivation (par exemple de l'utilisation de bandes de puissance).

Refer to specific Product Model Data Sheet for Environmental Specifications (Operating Temperature, Storage Temperature, Humidity, and Altitude).

Référez à la Fiche Technique de ce produit pour les caractéristiques environnementales (Température de fonctionnement, température de stockage, humidité et l'altitude).

Safety

Battery – Risk of explosion if the battery is replaced by an incorrect type. Do not dispose of batteries in a fire. They may explode. Dispose of used batteries according to your local regulations. IMPORTANT: Switzerland: Annex 4.10 of SR814.013 applies to batteries.

Batterie – Risque d'explosion si la batterie est remplacée par un type incorrect. Ne jetez pas les batteries au feu. Ils peuvent exploser. Jetez les piles usagées conformément aux réglementations locales. IMPORTANT: Suisse: l'annexe 4.10 de SR814.013 s'appliquent aux batteries.

警告
本電池如果更換不正確會有爆炸的危險
請依製造商說明書處理用過之電池

Regulatory Compliance

Federal Communication Commission (FCC) – USA

This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received; including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

WARNING: Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Equipment Standard for Digital Equipment (ICES) – Canada

CAN ICES-3 (A) / NMB-3 (A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Cet appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

European Conformity (CE) - EU

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.



Voluntary Control Council for Interference (VCCI) – Japan

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。
V C C I – A

Product Safety Electrical Appliance & Material (PSE) – Japan

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Bureau of Standards Metrology and Inspection (BSMI) – Taiwan

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The presence conditions of the restricted substance (BSMI RoHS table) are available at the link below:
限用物質含有情況表 (RoHS Table) 請到以下 網址下載:
<https://www.fortinet.com/bsmi>

China

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